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RESULT 4
US-08-323-443B-1
; Sequence 1, Application US/08323443B
; Patent No. 5654170
; GENERAL INFORMATION:
; APPLICANT: KLINGER, KATHERINE W.
; APPLICANT: LANDES, GREGORY M.
; APPLICANT: BURN, TIMOTHY C.
; APPLICANT: CONNORS, TIMOTHY D.
; APPLICANT: DACKOWSKI, WILLIAM R.
; APPLICANT: GERMINO, GREGORY
; APPLICANT: QIAN, FENG
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Darby & Darby PC
; STREET: 805 Third Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/323,443B
; FILING DATE: 12-OCT-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, S. Peter
; REGISTRATION NUMBER: 25,351
; REFERENCE/DOCKET NUMBER: 0372/0A462
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 527-7700
; TELEFAX: (212) 753-6237
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31571 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; IMMEDIATE SOURCE:
; CLONE: PKD1 GENOMIC
; US-08-323-443B-1

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Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; Sequence 2, Application US/08658136
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GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 31, 2003, 18:57:08 ; Search time 18.3667 Seconds
(without alignments)
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Searched: 441362 seqs, 15338381 residues

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Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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C 29	14.2	74.7	20235	3 US-08-439-009A-3	Sequence 3, Appli
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C 37	13.8	72.6	1727	3 US-08-999-733-2	Sequence 1, Appli
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C 42	13.4	70.5	1131	6 5168049-1	Patent No. 5168049
C 43	13.4	70.5	6909	4 US-09-199-637A-111	Sequence 111, App
C 44	13.4	70.5	9960	3 US-08-822-586-46	Sequence 46, Appli
C 45	13.4	70.5	4403765	4 US-09-103-840A-2	Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-08-323-443B-1/c
Sequence 1, Application US/08323443B
Patent No. 56541170
GENERAL INFORMATION:
APPLICANT: KLINGER, KATHERINE W.
APPLICANT: LANDES, GREGORY M.
APPLICANT: BURN, TIMOTHY C.
APPLICANT: CONNORS, TIMOTHY D.
APPLICANT: DACKOWSKI, WILLIAM R.
APPLICANT: GIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Darby & Darby PC
STREET: 805 Third Avenue
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/323,443B
FILING DATE: 12-OCT-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ludwig, S. Peter
REGISTRATION NUMBER: 25,351
REFERENCE/DOCKET NUMBER: 0372/0A462
TELEPHONE: (212) 527-7700
TELEFAX: (212) 753-6237
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 31571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: PKD1 GENOMIC
US-08-323-443B-1

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Best Local Similarity 100.0%; Pred. No. 0.72; Mismatches 0; Indels 0; Gaps 0;

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RESULT 2

US-08-658-136-2
; Sequence 2, Application US/08658136

; Patent No. 6071717

; GENERAL INFORMATION:

; APPLICANT: KLINGER, KATHERINE W

; APPLICANT: LANDES, GREGORY M

; APPLICANT: BURN, TIMOTHY C

; APPLICANT: CONNORS, TIMOTHY D

; APPLICANT: DACKOWSKI, WILLIAM

; APPLICANT: GERMINO, GREGORY

; APPLICANT: QIAN, FENG

; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE

; NUMBER OF SEQUENCES: 38

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: GENZYME CORPORATION

; STREET: ONE MOUNTAIN ROAD

; CITY: FRAMINGHAM

; STATE: MASSACHUSETTS

; COUNTRY: USA

; ZIP: 01701

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/658,136

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: LASSEN, ELIZABETH

; REGISTRATION NUMBER: 31,845

; REFERENCE/DOCKET NUMBER: GEN4-17.8

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 508-872-8400

; TELEFAX: 508-872-5415

; INFORMATION FOR SEQ ID NO: 2:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 53526 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

US-08-658-136-2

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Best Local Similarity 100.0%; Pred. No. 0.73; Mismatches 0; Indels 0; Gaps 0;

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US-08-658-136-1

; Sequence 1, Application US/08658136

; Patent No. 6071717

; GENERAL INFORMATION:

; APPLICANT: KLINGER, KATHERINE W

; APPLICANT: LANDES, GREGORY M

; APPLICANT: BURN, TIMOTHY C

; APPLICANT: CONNORS, TIMOTHY D
; APPLICANT: DACKOWSKI, WILLIAM
; APPLICANT: GERMINO, GREGORY
; APPLICANT: QIAN, FENG
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENZYME CORPORATION
; STREET: ONE MOUNTAIN ROAD
; CITY: FRAMINGHAM
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 01701

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent In Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/658,136

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: LASSEN, ELIZABETH

; REGISTRATION NUMBER: 31,845

; REFERENCE/DOCKET NUMBER: GEN4-17.8

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 508-872-8400

; TELEFAX: 508-872-5415

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 53577 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: DNA (genomic)

US-08-658-136-1

Query Match 100.0%; Score 19; DB 3; Length 53577;
Best Local Similarity 100.0%; Pred. No. 0.73; Mismatches 0; Indels 0; Gaps 0;

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|||||

Db 3334 GGTCGGCGCTGTGGCGAAGG 3352

RESULT 4

US-08-998-416-1115

; Sequence 1115, Application US/08998416

; Patent No. 6239284

; GENERAL INFORMATION:

; APPLICANT: Philippsen, Peter

; APPLICANT: Pohlmann, Rainer

; APPLICANT: Steiner, Sabine

; APPLICANT: Mohr, Christine

; APPLICANT: Wendland, Jurgen

; APPLICANT: Knechtle, Philipp

; APPLICANT: Reibschung, Corinne

; TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHEYA GOSSYPHII

; NUMBER OF SEQUENCES: 1132

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: No. 6239264artis Corporation

; STREET: 3054 Cornwallis Road

; CITY: Research Triangle Park

; STATE: No. 6239264th Carolina

; COUNTRY: USA

; ZIP: 27709

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 31, 2003, 18:57:08 ; Search time 25.1333 Seconds
(without alignments)
317.252 Million cell updates/sec

Title: US-09-904-968A-4
Perfect score: 26
Sequence: 1 ccaccctcatgcctctctctaaagcat 26
Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0
Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	26	100.0	53526	3 US-08-658-136-2	Sequence 2, Appli
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15	17.6	67.7	11703	3 US-09-102-248-8	Sequence 8, Appli
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17	17.6	67.7	11740	4 US-09-415-785A-103	Sequence 103, App
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19	17.6	67.7	11740	4 US-09-415-868-103	Sequence 103, App
20	17.6	67.7	11740	4 US-09-415-900-103	Sequence 103, App
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22	17.6	67.7	16656	1 US-08-741-861-1	Sequence 1, Appli
23	17.6	67.7	16656	1 US-08-739-158-1	Sequence 1, Appli
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27	17.6	67.7	16656	4 US-09-350-399-1	Sequence 1, Appli

28	17.6	67.7	16656	4 US-09-236-140A-1	Sequence 1, Appli
29	17	65.4	351	4 US-09-085-199B-41	Sequence 41, Appli
30	16.6	63.8	152331	3 US-09-128-155-16	Sequence 16, Appli
31	16.6	63.8	176373	3 US-09-128-155-17	Sequence 17, Appli
32	16.4	63.1	74	3 US-08-789-333F-59	Sequence 59, Appli
33	16.4	63.1	74	4 US-08-787-738B-59	Sequence 59, Appli
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35	16.4	63.1	3330	1 US-08-451-883-1	Sequence 1, Appli
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38	16.4	63.1	4810	4 US-09-596-824-5	Sequence 2, Appli
39	16.4	63.1	5124	4 US-09-534-638-2	Sequence 3, Appli
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42	16.2	62.3	26	2 US-08-887-798-23	Sequence 19, Appli
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ALIGNMENTS

RESULT 1
US-08-323-443B-1
; Sequence 1, Application US/08323443B
; Patent No. 5654170
; GENERAL INFORMATION:
; APPLICANT: KLINGER, KATHERINE W.
; APPLICANT: LANDES, GREGORY M.
; APPLICANT: BURN, TIMOTHY C.
; APPLICANT: CONNORS, TIMOTHY D.
; APPLICANT: DACKOWSKI, WILLIAM R.
; APPLICANT: GERMING, GREGORY
; APPLICANT: QIAN, PENG
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Darby & Darby PC
; STREET: 805 Third Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10022

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA: US/08/323.443B
APPLICATION NUMBER: US/08/323.443B
FILING DATE: 12-OCT-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ludwig, S. Peter
REGISTRATION NUMBER: 25,351
REFERENCE/DOCKET NUMBER: 0372/0A462
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 527-7700
TELEFAX: (212) 753-6237
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 31571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: PKD1 GENOMIC
US-08-323-443B-1

RESULT 3
US-08-638-136-1/c
: Sequence 1, Application US/08658136
: Patent No. 607117
: GENERAL INFORMATION:
: APPLICANT: KLINGER, KATHERINE W
: APPLICANT: LANDES, GREGORY M
: APPLICANT: BURN, TIMOTHY C

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 31, 2003, 18:57:08 ; Search time 28.0333 seconds
(without alignments)
317.252 Million cell updates/sec

Title: US-09-904-968A-3

Perfect score: 29

Sequence: 1 cctccacctgctgtgtgacctggtaaat 29

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 20000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_NA:*

1: /cgn2_6/ptodata/2/ina/5A_COMB.seq:*

2: /cgn2_6/ptodata/2/ina/5B_COMB.seq:*

3: /cgn2_6/ptodata/2/ina/6A_COMB.seq:*

4: /cgn2_6/ptodata/2/ina/6B_COMB.seq:*

5: /cgn2_6/ptodata/2/ina/PCUTUS_COMB.seq:*

6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match	Score	Length	ID	Description
1	29	100.0	31571	1	US-08-323-443B-1
2	29	100.0	33526	3	US-08-558-136-2
3	29	100.0	53577	3	US-08-558-136-1
C 4	18.4	63.4	720	3	US-09-479-309-3
C 5	18.4	63.4	720	3	US-09-479-309-5
C 6	18.4	63.4	9721	4	US-09-345-217-2
C 7	18.4	63.4	15602	4	US-09-844-634-17
C 8	18.4	63.4	152331	3	US-09-128-155-16
C 9	18.4	63.4	176373	3	US-09-128-155-17
C 10	18	62.1	248240	2	US-08-724-394A-20
C 11	18	62.1	248240	2	US-08-724-394A-21
C 12	18	62.1	246240	2	US-08-724-394A-22
C 13	17.8	61.4	357	4	US-09-180-700-1
C 14	17.8	61.4	1207	1	US-08-362-670B-3
C 15	17.8	61.4	1207	3	US-08-333-576C-3
C 16	17.8	61.4	1207	3	US-08-289-222B-1
C 17	17.8	61.4	1207	4	US-09-054-526B-1
C 18	17.8	61.4	1207	4	US-08-808-324-3
C 19	17.8	61.4	1207	5	PCT-US94-14030A-3
C 20	17.8	61.4	2703	2	US-08-288-508C-1
C 21	17.8	61.4	2703	4	US-09-180-700-4
C 22	17.8	61.4	2742	3	US-08-911-853-16
C 23	17.8	61.4	2742	4	US-09-479-409-16
C 24	17.8	61.4	2742	4	US-09-479-453-16
C 25	17.8	61.4	12886	4	US-09-453-702B-14
C 26	17.8	61.4	17612	3	US-08-911-853-29
C 27	17.8	61.4	17612	4	US-09-479-409-29

28	17.8	61.4	17612	4	US-09-479-453-29
C 29	17.4	60.0	1821	4	US-09-149-476-90
C 30	17.4	60.0	2440	4	US-09-513-007-1
C 31	17.2	59.3	7676	1	US-08-451-777A-7
C 32	17.2	59.3	7676	2	US-08-451-778A-7
C 33	17.2	59.3	7676	2	US-08-998-208-7
C 34	17.2	59.3	7676	5	PCT-US95-06743-7
C 35	17	58.6	108	2	US-08-912-129A-18
C 36	17	58.6	546	4	US-09-643-597-129
C 37	17	58.6	1125	2	US-08-912-129A-51
C 38	17	58.6	1860	2	US-08-912-129A-53
C 39	17	58.6	2286	3	US-09-176-657-4
C 40	17	58.6	2773	4	US-09-643-597-358
C 41	17	58.6	2784	4	US-09-643-597-168
C 42	17	58.6	2970	4	US-09-193-562D-31
C 43	17	58.6	3951	4	US-09-643-597-160
C 44	17	58.6	3969	1	US-08-026-138E-16
C 45	17	58.6	7430	4	US-08-976-259-64

ALIGNMENTS

RESULT 1
US-08-323-443B-1
Sequence 17 Application US/08323443B
Patent No. 5654170
GENERAL INFORMATION:
APPLICANT: KLINGER, KATHERINE W.
APPLICANT: LANDES, GREGORY M.
APPLICANT: BURN, TIMOTHY C.
APPLICANT: CONNORS, TIMOTHY D.
APPLICANT: DACKOWSKI, WILLIAM R.
APPLICANT: GERINO, GREGORY
APPLICANT: QIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Darby & Darby PC
STREET: 805 Third Avenue
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/323,443B
FILING DATE: 12-OCT-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ludwig, S. Peter
REGISTRATION NUMBER: 25,351
REFERENCE/DOCKET NUMBER: 0372/0A462
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 527-7700
TELEFAX: (212) 753-6237
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 31571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: PKDI GENOMIC
US-08-323-443B-1

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Query Match          100.0%; Score 29; DB 1; Length 31571;
Best Local Similarity 100.0%; Pred. No. 0.002;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCATCCACCTGCTGTGTGACCTGGTAAAT 29
|||||
Db 1448 CCATCCACCTGCTGTGTGACCTGGTAAAT 1476

RESULT 2
US-08-658-136-2
; Sequence 2, Application US/08658136
; Patent No. 6071717
; GENERAL INFORMATION:
; APPLICANT: KLINGER, KATHERINE W
; APPLICANT: LANDES, GREGORY M
; APPLICANT: BURN, TIMOTHY C
; APPLICANT: CONNORS, TIMOTHY D
; APPLICANT: DACKOWSKI, WILLIAM
; APPLICANT: GERMINO, GREGORY
; APPLICANT: QIAN, FENG
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENZYME CORPORATION
; STREET: ONE MOUNTAIN ROAD
; CITY: FRAMINGHAM
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 01701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/658,136
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: LASSEN, ELIZABETH
; REGISTRATION NUMBER: 31,845
; REFERENCE/DOCKET NUMBER: GEN4-17.8
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 508-872-8400
; TELEFAX: 508-872-5415
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 53526 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-658-136-2

Query Match          100.0%; Score 29; DB 3; Length 53526;
Best Local Similarity 100.0%; Pred. No. 0.002;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 2043 CCATCCACCTGCTGTGTGACCTGGTAAAT 2071

RESULT 3
US-08-658-136-1
; Sequence 1, Application US/08658136
; Patent No. 6071717
; GENERAL INFORMATION:
; APPLICANT: KLINGER, KATHERINE W
; APPLICANT: LANDES, GREGORY M
; APPLICANT: BURN, TIMOTHY C
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; APPLICANT: CONNORS, TIMOTHY D
; APPLICANT: DACKOWSKI, WILLIAM
; APPLICANT: GERMINO, GREGORY
; APPLICANT: QIAN, FENG
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENZYME CORPORATION
; STREET: ONE MOUNTAIN ROAD
; CITY: FRAMINGHAM
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 01701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/658,136
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: LASSEN, ELIZABETH
; REGISTRATION NUMBER: 31,845
; REFERENCE/DOCKET NUMBER: GEN4-17.8
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 508-872-8400
; TELEFAX: 508-872-5415
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 53577 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-658-136-1

Query Match          100.0%; Score 29; DB 3; Length 53577;
Best Local Similarity 100.0%; Pred. No. 0.002;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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|||||
Db 2043 CCATCCACCTGCTGTGTGACCTGGTAAAT 2071

RESULT 4
US-09-479-309-3/c
; Sequence 3, Application US/09479309
; Patent No. 6110691
; GENERAL INFORMATION:
; APPLICANT: Wang, Xiaodong
; APPLICANT: Du, Chunying
; TITLE OF INVENTION: Activators of Caspases
; FILE REFERENCE: UTSD0630
; CURRENT APPLICATION NUMBER: US/09/479,309
; CURRENT FILING DATE: 2000-01-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 720
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Sequence
US-09-479-309-3

Query Match          63.4%; Score 18.4; DB 3; Length 720;
Best Local Similarity 78.6%; Pred. No. 38;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
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GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 31, 2003, 18:57:08 ; Search time 28.0333 Seconds
(without alignments)
317.252 Million cell updates/sec

Title: US-09-904-968A-3

Perfect score: 29
Sequence: 1 ccattccacctgctgtgacctgtaaat 29

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents,NA:*
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2: /cgn2_6/ptodata/2/ina/5B.COMB.seq:*
3: /cgn2_6/ptodata/2/ina/6A.COMB.seq:*
4: /cgn2_6/ptodata/2/ina/6B.COMB.seq:*
5: /cgn2_6/ptodata/2/ina/PCTUS.COMB.seq:*
6: /cgn2_6/ptodata/2/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	29	100.0	53526	3 US-08-658-138-2	Sequence 2, Appl
3	29	100.0	53577	3 US-08-658-138-1	Sequence 1, Appl
C 4	18.4	63.4	720	3 US-09-479-309-3	Sequence 3, Appl
5	18.4	63.4	720	3 US-09-479-309-5	Sequence 5, Appl
6	18.4	63.4	9721	4 US-09-345-217-2	Sequence 2, Appl
C 7	18.4	63.4	15602	3 US-09-844-634-17	Sequence 17, Appl
C 8	18.4	63.4	152331	3 US-09-128-155-16	Sequence 16, Appl
C 9	18.4	63.4	176373	3 US-09-128-155-17	Sequence 17, Appl
C 10	18	62.1	246240	2 US-08-724-394A-20	Sequence 20, Appl
C 11	18	62.1	246240	2 US-08-724-394A-21	Sequence 21, Appl
C 12	18	62.1	246240	2 US-08-724-394A-22	Sequence 22, Appl
13	17.8	61.4	357	4 US-09-180-700-1	Sequence 1, Appl
14	17.8	61.4	1207	3 US-08-362-670B-3	Sequence 3, Appl
15	17.8	61.4	1207	3 US-08-333-576C-3	Sequence 3, Appl
16	17.8	61.4	1207	3 US-08-289-222E-1	Sequence 1, Appl
17	17.8	61.4	1207	3 US-09-054-526B-1	Sequence 1, Appl
18	17.8	61.4	1207	4 US-08-808-324-3	Sequence 3, Appl
19	17.8	61.4	1207	5 PCT-US94-14030A-3	Sequence 3, Appl
20	17.8	61.4	2703	2 US-08-288-508C-1	Sequence 1, Appl
21	17.8	61.4	2703	4 US-09-180-700-4	Sequence 4, Appl
22	17.8	61.4	2742	3 US-08-911-853-16	Sequence 16, Appl
23	17.8	61.4	2742	4 US-09-479-409-16	Sequence 16, Appl
24	17.8	61.4	2742	4 US-09-479-409-16	Sequence 16, Appl
C 25	17.8	61.4	12886	4 US-09-453-702B-14	Sequence 14, Appl
26	17.8	61.4	17612	3 US-08-911-853-29	Sequence 29, Appl
27	17.8	61.4	17612	4 US-09-479-409-29	Sequence 29, Appl

28	17.8	61.4	17612	4 US-09-479-453-29	Sequence 29, Appl
C 29	17.4	60.0	1821	4 US-09-149-476-90	Sequence 90, Appl
30	17.4	60.0	2440	4 US-09-513-007-1	Sequence 1, Appl
C 31	17.2	59.3	7676	1 US-08-451-777A-7	Sequence 7, Appl
C 32	17.2	59.3	7676	2 US-08-451-778A-7	Sequence 7, Appl
C 33	17.2	59.3	7676	2 US-08-998-208-7	Sequence 7, Appl
C 34	17.2	59.3	7676	5 PCT-US95-06743-7	Sequence 7, Appl
C 35	17	58.6	108	2 US-08-912-129A-18	Sequence 18, Appl
36	17	58.6	546	4 US-09-643-597-129	Sequence 129, Appl
37	17	58.6	1125	2 US-08-912-129A-51	Sequence 51, Appl
38	17	58.6	1860	2 US-08-912-129A-53	Sequence 53, Appl
39	17	58.6	2286	3 US-09-176-657-4	Sequence 4, Appl
C 40	17	58.6	2773	4 US-09-643-597-358	Sequence 358, Appl
C 41	17	58.6	2784	4 US-09-643-597-168	Sequence 168, Appl
C 42	17	58.6	2970	4 US-09-193-562D-31	Sequence 31, Appl
C 43	17	58.6	3951	4 US-09-643-597-160	Sequence 160, Appl
C 44	17	58.6	3969	1 US-08-026-138E-16	Sequence 16, Appl
C 45	17	58.6	7430	4 US-08-976-259-64	Sequence 64, Appl

ALIGNMENTS

RESULT 1
US-08-323-443B-1
Sequence 1, Application US/08323443B
Patent No. 5654700
GENERAL INFORMATION:
APPLICANT: KLINGER, KATHERINE W.
APPLICANT: LANDES, GREGORY M.
APPLICANT: BURN, TIMOTHY C.
APPLICANT: CONNORS, TIMOTHY D.
APPLICANT: DACKOWSKI, WILLIAM R.
APPLICANT: GERMINO, GREGORY
APPLICANT: QIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Darby & Darby PC
STREET: 805 Third Avenue
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/323,443B
FILING DATE: 12-OCT-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ludwig, S. Peter
REGISTRATION NUMBER: 25,351
REFERENCE/DOCKET NUMBER: 0372/0A462
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 527-7700
TELEFAX: (212) 753-6237
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 31571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: PKD1 GENOMIC
US-08-323-443B-1

Query Match 100.08; Score 29; DB 1; Length 31571;
Best Local Similarity 100.08; Pred. No. 0.002;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCATCCACCTGCTGTGTGACCTGGTAAT 29
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Db 1448 CCATCCACCTGCTGTGTGACCTGGTAAT 1476

RESULT 2

US-08-658-136-2
; Sequence 2, Application US/08658136
; Patent No. 6071717
; GENERAL INFORMATION:
; APPLICANT: KLINGER, KATHERINE W
; APPLICANT: LANDES, GREGORY M
; APPLICANT: BURN, TIMOTHY C
; APPLICANT: CONNORS, TIMOTHY D
; APPLICANT: DACKOWSKI, WILLIAM
; APPLICANT: GERMINO, GREGORY
; APPLICANT: QIAN, FENG
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENZYME CORPORATION
; STREET: ONE MOUNTAIN ROAD
; CITY: FRAMINGHAM
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 01701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/658,136
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: LASSEN, ELIZABETH
; REGISTRATION NUMBER: 31,845
; REFERENCE/DOCKET NUMBER: GEN4-17.8
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 508-872-8400
; TELEFAX: 508-872-5415
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 53526 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-658-136-2

Query Match 100.08; Score 29; DB 3; Length 53526;
Best Local Similarity 100.08; Pred. No. 0.0022;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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2b 2043 CCATCCACCTGCTGTGTGACCTGGTAAT 2071

RESULT 3

US-08-658-136-1
; Sequence 1, Application US/08658136
; Patent No. 6071717
; GENERAL INFORMATION:
; APPLICANT: KLINGER, KATHERINE W
; APPLICANT: LANDES, GREGORY M
; APPLICANT: BURN, TIMOTHY C

; APPLICANT: CONNORS, TIMOTHY D
; APPLICANT: DACKOWSKI, WILLIAM
; APPLICANT: GERMINO, GREGORY
; APPLICANT: QIAN, FENG
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENZYME CORPORATION
; STREET: ONE MOUNTAIN ROAD
; CITY: FRAMINGHAM
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 01701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/658,136
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: LASSEN, ELIZABETH
; REGISTRATION NUMBER: 31,845
; REFERENCE/DOCKET NUMBER: GEN4-17.8
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 508-872-8400
; TELEFAX: 508-872-5415
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 53577 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; US-08-658-136-1

Query Match 100.08; Score 29; DB 3; Length 53577;
Best Local Similarity 100.08; Pred. No. 0.0022;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCATCCACCTGCTGTGTGACCTGGTAAT 29
|||||
Db 2043 CCATCCACCTGCTGTGTGACCTGGTAAT 2071

RESULT 4

US-09-479-309-3/c
; Sequence 3, Application US/09479309
; Patent No. 6110691
; GENERAL INFORMATION:
; APPLICANT: Wang, Xiaodong
; APPLICANT: Du, Chunying
; TITLE OF INVENTION: Activators of Caspases
; FILE REFERENCE: UTSD0630
; CURRENT APPLICATION NUMBER: US/09/479,309
; CURRENT FILING DATE: 2000-01-06
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO: 3
; LENGTH: 720
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Sequence
; US-09-479-309-3

Query Match 63.48; Score 18.4; DB 3; Length 720;
Best Local Similarity 78.68; Pred. No. 38;
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

GenCore version 5.1.3
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 31, 2003, 18:57:08 : Search time 25.1333 Seconds
(without alignments)
317.252 Million cell updates/sec

Title: US-09-904-968a-4

Perfect score: 26

Sequence: 1 ccacctaagccccccttcctaagcat 26

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	26	100.0	31571	1 US-08-323-443B-1	Sequence 1, Appli
2	26	100.0	53526	3 US-08-658-136-2	Sequence 2, Appli
3	26	100.0	53577	3 US-08-658-136-1	Sequence 1, Appli
4	17.6	67.7	8000	4 US-09-415-784-101	Sequence 101, App
5	17.6	67.7	8000	4 US-09-415-784-102	Sequence 102, App
6	17.6	67.7	8000	4 US-09-415-785A-101	Sequence 101, App
7	17.6	67.7	8000	4 US-09-415-785A-102	Sequence 102, App
8	17.6	67.7	8000	4 US-08-944-465-101	Sequence 101, App
9	17.6	67.7	8000	4 US-08-944-465-102	Sequence 102, App
10	17.6	67.7	8000	4 US-09-415-868-101	Sequence 101, App
11	17.6	67.7	8000	4 US-09-415-868-102	Sequence 102, App
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14	17.6	67.7	11703	1 US-08-801-263A-8	Sequence 8, Appli
15	17.6	67.7	11703	3 US-09-102-248-8	Sequence 8, Appli
16	17.6	67.7	11740	4 US-09-415-784-103	Sequence 103, App
17	17.6	67.7	11740	4 US-09-415-785A-103	Sequence 103, App
18	17.6	67.7	11740	4 US-08-944-465-103	Sequence 103, App
19	17.6	67.7	11740	4 US-09-415-868-103	Sequence 103, App
20	17.6	67.7	11740	4 US-09-415-900-103	Sequence 103, App
21	17.6	67.7	13905	4 US-08-972-218-1	Sequence 1, Appli
22	17.6	67.7	16656	1 US-08-741-881-1	Sequence 1, Appli
23	17.6	67.7	16656	1 US-08-739-158-1	Sequence 1, Appli
24	17.6	67.7	16656	2 US-08-739-167-1	Sequence 1, Appli
25	17.6	67.7	16656	3 US-08-404-796-1	Sequence 1, Appli
26	17.6	67.7	16656	3 US-08-931-869-1	Sequence 1, Appli
27	17.6	67.7	16656	4 US-09-350-399-1	Sequence 1, Appli

28 17.6 67.7 16656 4 US-09-236-140A-1 Sequence 1, Appli
29 17.6 65.4 351 4 US-09-085-198B-41 Sequence 41, Appli
30 16.6 63.8 152331 3 US-09-128-155-16 Sequence 16, Appli
31 16.6 63.8 176373 3 US-09-128-155-17 Sequence 17, Appli
32 16.4 63.1 74 3 US-08-789-333F-59 Sequence 59, Appli
33 16.4 63.1 74 4 US-08-787-738B-59 Sequence 59, Appli
34 16.4 63.1 3330 1 US-08-149-103-1 Sequence 1, Appli
35 16.4 63.1 3330 1 US-08-451-883-1 Sequence 1, Appli
36 16.4 63.1 3656 1 US-08-393-734-1 Sequence 1, Appli
37 16.4 63.1 3656 4 US-08-894-489-1 Sequence 1, Appli
38 16.4 63.1 4810 4 US-09-596-824-5 Sequence 5, Appli
39 16.4 63.1 5124 4 US-09-534-638-2 Sequence 2, Appli
40 16.4 63.1 9592 1 US-08-393-734-3 Sequence 3, Appli
41 16.4 63.1 9592 4 US-08-894-489-3 Sequence 3, Appli
42 16.2 62.3 26 2 US-08-887-798-23 Sequence 23, Appli
43 16 61.5 283 4 US-08-990-823-19 Sequence 19, Appli
44 16 61.5 555 4 US-09-280-116-258 Sequence 258, Appli
45 16 61.5 1351 3 US-08-756-792-3 Sequence 3, Appli

ALIGNMENTS

RESULT 1
US-08-323-443B-1
: Sequence 1, Application US/08323443B
: Patent No. 5654170
: GENERAL INFORMATION:
: APPLICANT: KLINGER, KATHERINE W.
: APPLICANT: LANDES, GREGORY M.
: APPLICANT: BURN, TIMOTHY C.
: APPLICANT: CONNORS, TIMOTHY D.
: APPLICANT: DACKOWSKI, WILLIAM R.
: APPLICANT: GERMINO, GREGORY
: APPLICANT: QIAN, FENG
: TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
: NUMBER OF SEQUENCES: 8
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Darby & Darby PC
: STREET: 805 Third Avenue
: CITY: New York
: STATE: NY
: COUNTRY: USA
: ZIP: 10022
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/323,443B
: FILING DATE: 12-OCT-1994
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Ludwig, S. Peter
: REGISTRATION NUMBER: 25,351
: REFERENCE/DOCKET NUMBER: 0372/OA462
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (212) 527-7700
: TELEFAX: (212) 753-6237
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 31571 base pairs
: TYPE: nucleic acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: DNA (genomic)
: HYPOTHEetical: NO
: ORIGINAL SOURCE:
: ORGANISM: Homo sapiens
: IMMEDIATE SOURCE:
: CLONE: PKD1 GENOMIC
US-08-323-443B-1

Query Match 100.0%; Score 26; DB 1; Length 31571;
Best Local Similarity 100.0%; Pred. No. 0.0037;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCACCTCATCGCCCTTCTTAAGCAT 26
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DB 2619 CCACCTCATCGCCCTTCTTAAGCAT 2644

RESULT 2

US-08-658-136-2/c
; Sequence 2, Application US/08658136
; Patent No. 6071717
; GENERAL INFORMATION:
; APPLICANT: KLINGER, KATHERINE W
; APPLICANT: LANDES, GREGORY M
; APPLICANT: BURN, TIMOTHY C
; APPLICANT: CONNORS, TIMOTHY D
; APPLICANT: DACKOWSKI, WILLIAM
; APPLICANT: GERMINO, GREGORY
; APPLICANT: QIAN, FENG
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENZYME CORPORATION
; STREET: ONE MOUNTAIN ROAD
; CITY: FRAMINGHAM
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 01701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/658,136
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: LASSEN, ELIZABETH
; REGISTRATION NUMBER: 31,845
; REFERENCE/DOCKET NUMBER: GEN4-17.8
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 508-872-8400
; TELEFAX: 508-872-5415
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5326 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-658-136-2

Query Match 100.0%; Score 26; DB 3; Length 53577;
Best Local Similarity 100.0%; Pred. No. 0.004;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCACCTCATCGCCCTTCTTAAGCAT 26
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DB 4315 CCACCTCATCGCCCTTCTTAAGCAT 4290

RESULT 3

US-08-658-136-1/c
; Sequence 1, Application US/08658136
; Patent No. 6071717
; GENERAL INFORMATION:
; APPLICANT: KLINGER, KATHERINE W
; APPLICANT: LANDES, GREGORY M
; APPLICANT: BURN, TIMOTHY C

; APPLICANT: CONNORS, TIMOTHY D
; APPLICANT: DACKOWSKI, WILLIAM
; APPLICANT: GERMINO, GREGORY
; APPLICANT: QIAN, FENG
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENZYME CORPORATION
; STREET: ONE MOUNTAIN ROAD
; CITY: FRAMINGHAM
; STATE: MASSACHUSETTS
; COUNTRY: USA
; ZIP: 01701
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/658,136
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: LASSEN, ELIZABETH
; REGISTRATION NUMBER: 31,845
; REFERENCE/DOCKET NUMBER: GEN4-17.8
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 508-872-8400
; TELEFAX: 508-872-5415
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 53577 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-658-136-1

Query Match 100.0%; Score 26; DB 3; Length 53577;
Best Local Similarity 100.0%; Pred. No. 0.004;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CCACCTCATCGCCCTTCTTAAGCAT 26
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DB 4314 CCACCTCATCGCCCTTCTTAAGCAT 4289

RESULT 4

US-09-415-784-101
; Sequence 101, Application US/09415784
; Patent No. 6391632
; GENERAL INFORMATION:
; APPLICANT: Dubensky Jr., Thomas W.
; Polo, John M.
; Belli, Barbara A.
; Schlesinger, Sondra
; Dryga, Sergey A.
; Frolov, Ilya
; TITLE OF INVENTION: RECOMBINANT ALPHAVIRUS-BASED VECTORS
; WITH REDUCED INHIBITION OF CELLULAR MACRO-MOLECULAR
; SYNTHESIS

NUMBER OF SEQUENCES: 125
CORRESPONDENCE ADDRESS:
ADDRESSEE: Seed Intellectual Property Law Group PLLC
STREET: 701 Fifth Avenue, Suite 6300
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98104-7092
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

GenCore version 5.1.3
Copyright (c) 1993 - 2003 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: January 31, 2003, 18:57:08 : Search time 18.3667 Seconds
(without alignments)
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Title: US-09-904-968A-19

Perfect score: 19

Sequence: 1 ggtcgcgtgtggaagg 19

Scoring table: IDENTITY.MUC

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Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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4: /cgn2.6/ptodata/2/ina/6B-COMB.seq.*
5: /cgn2.6/ptodata/2/ina/PCTUS-COMB.seq.*
6: /cgn2.6/ptodata/2/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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C 2	19	100.0	53526	3	US-08-658-136-2 Sequence 2, Appli
C 3	19	100.0	53577	3	US-08-658-136-1 Sequence 1, Appli
C 4	15	78.9	633	4	US-08-998-416-1115 Sequence 1115, Ap
C 5	15	78.9	3396	4	US-09-668-680-6 Sequence 6, Appli
C 6	15	78.9	3423	4	US-09-668-680-7 Sequence 7, Appli
C 7	14.4	75.8	317	4	US-09-221-017B-595 Sequence 595, App
C 8	14.4	75.8	1830	3	US-08-969-683A-66 Sequence 66, Appli
C 9	14.4	75.8	15872	4	US-09-105-537-1 Sequence 1, Appli
C 10	14.2	74.7	397	1	US-08-330-108-8 Sequence 8, Appli
C 11	14.2	74.7	397	5	PCT-US92-10087-8 Sequence 188, App
C 12	14.2	74.7	436	4	US-09-397-787-188 Sequence 2, Appli
C 13	14.2	74.7	1476	2	US-08-824-874-2 Sequence 2, Appli
C 14	14.2	74.7	1476	4	US-09-210-084-2 Sequence 9, Appli
C 15	14.2	74.7	1960	2	US-08-463-081B-9 Sequence 9, Appli
C 16	14.2	74.7	1960	2	US-08-461-379A-9 Sequence 9, Appli
C 17	14.2	74.7	1960	2	US-08-462-390B-9 Sequence 9, Appli
C 18	14.2	74.7	1960	3	US-08-463-074B-9 Sequence 9, Appli
C 19	14.2	74.7	1960	3	US-08-465-585C-9 Sequence 9, Appli
C 20	14.2	74.7	1960	3	US-08-652-446-9 Sequence 9, Appli
C 21	14.2	74.7	2370	1	US-08-104-072B-7 Sequence 7, Appli
C 22	14.2	74.7	2370	1	US-08-351-413-8 Sequence 8, Appli
C 23	14.2	74.7	2370	2	US-09-025-583-8 Sequence 8, Appli
C 24	14.2	74.7	4029	1	US-07-862-021B-9 Sequence 9, Appli
C 25	14.2	74.7	4029	1	US-08-313-288B-9 Sequence 9, Appli
C 26	14.2	74.7	4029	5	PCT-US93-03164-9 Sequence 9, Appli
C 27	14.2	74.7	5267	3	US-08-976-255-2 Sequence 2, Appli

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Patent No. 5168049
Sequence 11, Appli
Sequence 46, Appli
Sequence 2, Appli

ALIGNMENTS

RESULT 1
US-08-323-443B-1/C
Sequence 1, Application US/08323443B
Patent No. 5654170
GENERAL INFORMATION:
APPLICANT: KLINGER, KATHERINE W.
APPLICANT: LANDES, GREGORY M.
APPLICANT: BURN, TIMOTHY C.
APPLICANT: CONNORS, TIMOTHY D.
APPLICANT: DACKOWSKI, WILLIAM R.
APPLICANT: GERMINO, GREGORY
APPLICANT: QIAN, FENG
TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: Darby & Darby PC
STREET: 805 Third Avenue
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10022
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/323,443B
FILING DATE: 12-OCT-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Ludwig, S. Peter
REGISTRATION NUMBER: 25,351
REFERENCE/DOCKET NUMBER: 0372/0A462
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 527-7700
TELEFAX: (212) 753-6237
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 31571 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
IMMEDIATE SOURCE:
CLONE: PKD1 GENOMIC
US-08-323-443B-1

Query Match 100.0%; Score 19; DB 1; Length 31571;
 Best Local Similarity 100.0%; Pred. No. 0.72;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGTCGCGCTGTGGCGAAGG 19
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 Db 3599 GGTCGCGCTGTGGCGAAGG 3581

RESULT 2

US-08-658-136-2
 ; Sequence 2, Application US/08658136
 ; Patent No. 6071717
 ; GENERAL INFORMATION:
 ; APPLICANT: KLINGER, KATHERINE W
 ; APPLICANT: LANDES, GREGORY M
 ; APPLICANT: BURN, TIMOTHY C
 ; APPLICANT: CONNORS, TIMOTHY D
 ; APPLICANT: DACKOWSKI, WILLIAM
 ; APPLICANT: GERMINO, GREGORY
 ; APPLICANT: QIAN, FENG
 ; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
 ; NUMBER OF SEQUENCES: 58
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: GENZYME CORPORATION
 ; STREET: ONE MOUNTAIN ROAD
 ; CITY: FRAMINGHAM
 ; STATE: MASSACHUSETTS
 ; COUNTRY: USA
 ; ZIP: 01701
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC Compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/658,136
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: LASSEN, ELIZABETH
 ; REGISTRATION NUMBER: 31,845
 ; REFERENCE/DOCKET NUMBER: GEN4-17.8
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 508-872-8400
 ; TELEFAX: 508-872-5415
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 5326 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; US-08-658-136-2

Query Match 100.0%; Score 19; DB 3; Length 53526;
 Best Local Similarity 100.0%; Pred. No. 0.73;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GGTCGCGCTGTGGCGAAGG 19
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 Db 3334 GGTCGCGCTGTGGCGAAGG 3352

RESULT 3

US-08-658-136-1
 ; Sequence 1, Application US/08658136
 ; Patent No. 6071717
 ; GENERAL INFORMATION:
 ; APPLICANT: KLINGER, KATHERINE W
 ; APPLICANT: LANDES, GREGORY M
 ; APPLICANT: BURN, TIMOTHY C

; APPLICANT: CONNORS, TIMOTHY D
 ; APPLICANT: DACKOWSKI, WILLIAM
 ; APPLICANT: GERMINO, GREGORY
 ; APPLICANT: QIAN, FENG
 ; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
 ; NUMBER OF SEQUENCES: 58
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: GENZYME CORPORATION
 ; STREET: ONE MOUNTAIN ROAD
 ; CITY: FRAMINGHAM
 ; STATE: MASSACHUSETTS
 ; COUNTRY: USA
 ; ZIP: 01701
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC Compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/658,136
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: LASSEN, ELIZABETH
 ; REGISTRATION NUMBER: 31,845
 ; REFERENCE/DOCKET NUMBER: GEN4-17.8
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 508-872-8400
 ; TELEFAX: 508-872-5415
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 5377 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; US-08-658-136-1

Query Match 100.0%; Score 19; DB 3; Length 53577;
 Best Local Similarity 100.0%; Pred. No. 0.73;
 Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 Db 3334 GGTCGCGCTGTGGCGAAGG 3352

RESULT 4

US-08-998-416-1115
 ; Sequence 1115, Application US/08998416
 ; Patent No. 6239284
 ; GENERAL INFORMATION:
 ; APPLICANT: Philippsen, Peter
 ; APPLICANT: Pohlmann, Rainer
 ; APPLICANT: Steiner, Sabine
 ; APPLICANT: Mohr, Christine
 ; APPLICANT: Wendland, Jurgen
 ; APPLICANT: Knechtle, Philipp
 ; APPLICANT: Reibschung, Corinne
 ; TITLE OF INVENTION: GENOMIC DNA SEQUENCES OF ASHBYA GOSSENII
 ; TITLE OF INVENTION: AND USES THEREOF
 ; NUMBER OF SEQUENCES: 1152
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: NO. 6239264artis Corporation
 ; STREET: 3054 Cornwallis Road
 ; CITY: Research Triangle Park
 ; STATE: No. 6239264th Carolina
 ; COUNTRY: USA
 ; ZIP: 27709
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC Compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS

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OTHER INFORMATION: /note= "N-linked glycosylation
OTHER INFORMATION: sites at following locations: 4559, 4574, 4631, 4763,
FEATURE:
NAME/KEY: misc_feature
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OTHER INFORMATION: sites at following locations: 8471, 8663, 8732, 8843,
FEATURE:
NAME/KEY: misc_feature
LOCATION: 7949..8009
OTHER INFORMATION: /note= "Predicted transmembrane
OTHER INFORMATION: domain"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 8288..8348
OTHER INFORMATION: /note= "Predicted transmembrane
OTHER INFORMATION: domain"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 9434..9494
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LOCATION: 10052..10112
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FEATURE:
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LOCATION: 10178..10238
OTHER INFORMATION: /note= "Predicted transmembrane
OTHER INFORMATION: domain"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 10886..10946
OTHER INFORMATION: /note= "Predicted transmembrane
OTHER INFORMATION: domain"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 10955..11015
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FEATURE:
NAME/KEY: misc_feature
LOCATION: 11216..11276
OTHER INFORMATION: /note= "Predicted transmembrane
OTHER INFORMATION: domain"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 11894..11954
OTHER INFORMATION: /note= "Predicted transmembrane
OTHER INFORMATION: domain"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 12293..12353
OTHER INFORMATION: /note= "Predicted transmembrane
OTHER INFORMATION: domain"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 12377..12437
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OTHER INFORMATION: domain"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 212..278
OTHER INFORMATION: /note= "Possible hinge sequence"
OTHER INFORMATION: domain"
FEATURE:
NAME/KEY: misc_feature
LOCATION: 279
OTHER INFORMATION: /note= "Cleavage site"
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US-09-052-469-7

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Query Match 100.0%; Score 16; DB 4; Length 14148;
Best Local Similarity 100.0%; Pred. No. 23;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCGGGCGGCATCGT 16
Db 224 CGCGGGCGGCATCGT 209

RESULT 4
US-08-323-443B-1
; Sequence 1, Application US/08323443B
; Patent No. 5654170
; GENERAL INFORMATION:
; APPLICANT: KLINGER, KATHERINE W.
; APPLICANT: LANDES, GREGORY M.
; APPLICANT: BURN, TIMOTHY C.
; APPLICANT: CONNORS, TIMOTHY D.
; APPLICANT: DACKOWSKI, WILLIAM R.
; APPLICANT: GERMINO, GREGORY
; APPLICANT: QIAN, FENG
; TITLE OF INVENTION: POLYCYSTIC KIDNEY DISEASE GENE
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Darby & Darby PC
; STREET: 805 Third Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10022
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/323,443B
; FILING DATE: 12-OCT-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Ludwig, S. Peter
; REGISTRATION NUMBER: 25,351
; REFERENCE/DOCKET NUMBER: 0372/0A462
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 527-7700
; TELEFAX: (212) 753-6237
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31571 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; IMMEDIATE SOURCE:
; CLONE: PKD1 GENOMIC
; US-08-323-443B-1

Query Match 100.0%; Score 16; DB 1; Length 31571;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CGCGGGCGGCATCGT 16
Db 3273 CGCGGGCGGCATCGT 3288

RESULT 5
US-08-658-136-2/c
; Sequence 2, Application US/08658136
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